

STEREO MOC Status Report
Time Period: 2011:185 - 2011:191

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 187, during the DSS 14 support which was the first planned operational use of CCSDS SLE protocol for real-time telemetry, initial real-time telemetry was received using the legacy delivery method due to a mis-configuration at JPL. Later in the track, receipt of real-time telemetry was successful using SLE delivery protocol. All SSR data was received. See DR# N107470 for more information.
 - On day 187, the MOC SDS workstation was rebooted to complete the installation of a new RAID array disk drive at 2000z. External connectivity was restored by 2100z.
 - On day 188, during the DSS 14 support, real-time telemetry, using the CCSDS SLE telemetry protocol, was received successfully for the duration of the support. Subsequent supports will use the SLE telemetry protocol.
 - On day 190, during the DSS 34 support, turbo decoder lock was lost briefly beginning at 2057z. This resulted in the loss of 4 frames of instrument SSR data. A DR has been requested.
 - On day 191, the Planned APL Network Outage occurred from 1100-2300z to replace core components of the network infrastructure. External connectivity was restored to nominal operations by 2300z.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 5.1 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 185, during the DSS 34 support, turbo decoder lock was lost briefly beginning at 0812z. This resulted in the loss of one frame of instrument SSR data. A DR has been requested.
- On day 187, the MOC SDS workstation was rebooted to complete the installation of a new RAID array disk drive at 2000z. External connectivity was restored by 2300z. Also the MOC archive server for BEHIND was rebooted to complete the replacement of a failed redundant RAID array power supply.
- On day 188, during the DSS 45 support, turbo decoder lock was lost briefly beginning at 0654z. This resulted in the loss of 44 frames of IMPACT and PLASTIC SSR data. A DR has been requested.
- On day 188, during the DSS 65 support, real-time telemetry, using the CCSDS SLE telemetry protocol, was received successfully for the duration of the support. Subsequent supports will use the SLE telemetry protocol.
- On day 191, the Planned APL Network Outage occurred from 1100-2300z to replace core components of the network infrastructure. External connectivity was restored to nominal operations by 2300z.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 6.3 Gbits during this week.